

FIG. 1

1 ATGGCCGCTCGGGGTGCTGAAACGGGGGGGGAGACGGTGGGAGGGACAGCGT  
 1 ▶ MetAlaAlaArgGlyAlaGluAlaAlaGlyAlaAspGlyAlaArgGlyGlnArg  
  
 64 CGTCATCTACGACGGGACCTCTGCTCTGCTCTACGGGTCTGCAACGGCTGGCGCCGGC  
 22 ▶ ArgGlyAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla  
  
 127 GCCGGCCGGCGCTAGCCGCTGCTGCTATGCCGACCGTGGCCCTGCTGCTGCGCCGGCG  
 43 ▶ GlyAlaAlaArgAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla  
  
 190 CCCGGGGGGGACAAACGG  
 64 ▶ ProAlaAlaAlaGlyAlaGlyAlaProAlaProAlaProAlaProAlaLeuAlaAlaSerPro  
  
 253 GCCCCCCCCGGGAGCCCCGGGACCCCCGGGACGGGAGCGGAGCCCCGGGAGCCCCGGGAG  
 85 ▶ AlaProProAlaSerProSerProSerProGlyProAspAlaAlaSerProAspAspAsp  
  
 316 AGCACAGACGCTGGGGCTCCGGCTCGGCAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG  
 106 ▶ SerThrAspValAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAla  
  
 379 CTGTCGGGGGGCTCGGGCACGGGACTACACGGGGCATGGCGTCAATTACAGGAGAACATCCGGCG  
 127 ▶ ValCysProProSerGlyAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaAlaPro  
  
 442 TACGGGCTCGGGGGAACTACACGGGGCATGGCGTCAATTACAGGAGAACATCCGGCG  
 148 ▶ TyrGlyLeuGlyAlaAspTyrThrGlyLeuGlyValIleTyrGlyLeuAsnIleAlaPro  
  
 505 TACACGTTCAAGGCCTACATTACAAAACGTTGATCTGACACGACCTGGGGAGGACG  
 169 ▶ TyrThrPhenylsAlaArgTyrTleTyrTlyAsnValIleValIleThrThrTyrTlyAsnValIle

FIG. 2A

568 TACGGCGCCATTACAAACCGTACACGGACCCGGTCCCCGATGGGCATGGCCACATACGGAC  
 190 ▶ TyrAlaAlaLeuIleSerGlyTyrThrAspArgValProValGlyMetGlyGluIleIleAsp  
 631 CTCGGACAGGAAGTGGCGCTGCCTTTCGAAAGCCAGTACCTGGCAGCCGGCCAAAGGTC  
 211 ▶ LeuValAlaAspLysIlePheArgCysLeuSerIleSerGlyAlaGluIleIleAspGlyVal  
 694 GTGGCCRTTGACGGGACCCCTGGAGGGCCCTGAAAGCCTGCGGCTGAGCCCTGAGCCG  
 232 ▶ ValAlaPheAspAlaAspAspAspAspProIlePheAlaProLeuIleLysPheAlaGlySerAla  
 757 CCCGGCTGCCGGCTGCCACACGGACCGGACCATGTTGACACGGCCCTGGCTCGGGGGCTC  
 253 ▶ ProGlyValArgGlyTyrPheAspValIleSerAspValIleSerAspValIleSerAlaGlyLeu  
 820 TACCGCACGGCACCTCTGTGAACCTGCAACTGGAAAGTGGACGGCCCTGGCTTACCCG  
 274 ▶ TyrArgThrGlyIleSerValAlaLeuIleAspIleCysIleValGluIleGluAlaArgSerValIleTyrPro  
 883 TACGACTCGTTCGCCCTCTCGACCGGGACATTATCTACATGTCGCCCTTACGGCTGGC  
 295 ▶ TyrAspSerPheAlaLeuIleSerIleGlyAspIleIleSerAspIleTyrMetSerProPheTyrGlyLeuAla  
 946 CAGGGCGCACGGCACACGGCTACTCGCCGGAGCCGTTCCAGCAGATCCAGGGCTA  
 316 ▶ GluGlyAlaHisArgGluHisSerArgLeuIleAlaGlyAlaLeuProAlaAspArgGlyLeu  
 1009 CTACAAAGGGCACATGGCCACGGGCGCCCTCAAGGAGCCGGTCTCGCCGAACCTTTGCG  
 337 ▶ LeuGlnAlaAlaArgHisGlyHisGlyIleGluIleAlaGlyLeuAlaGlyLeuAlaGlyLeuPheAla  
 1072 TACACACCACGTGACCGTAGCCCTGGCACTGGCTGCCAACGGCAAACGTTGCTCCGCTGCG  
 358 ▶ TyrThrAlaAlaArgAspGlySerLeuGlyLeuGlyIleGlyAlaGlnAlaGlnAlaGlnAlaGly

FIG. 2B

1135 CAACTGGCCGACCAAATGCTTCCGAGACGAGCCCCGGAACTTCCCTTCACGGC  
 379 ▶ GluValAlaArgGlyArgAsnAlaAlaArgArgGluLeuProLeuIleIleGly  
 1198 CCGCTCGCCGACCTTCTGAGCCACACCTTCCGCTTGAGAAATGTCGCCCT  
 400 ▶ ProLeuAlaLeuGlyAspLeuIleGluArgGlyAsnProHisLeuArgValAlaGluCysAlaAla  
 1261 GAGCCACTGCGCTGATCGAAGAGGGCCGAGCCGGCTTACCGCCAGCCTACAA  
 421 ▶ GluArgLeuArgAspAlaArgGlyArgGlyArgGlyAlaArgLeuProAlaLeuGly  
 1324 CGGCACGCACGCTGCTGCTCGCCAGCTGAGACGTACCTGGCCGGCTTGTGCTGGC  
 442 ▶ ArgHisAlaArgAlaValGlyGlnLeuGlyAspValProGlyAlaAlaArgLeuCysArgGly  
 1387 CTTCCGGCGATGCTCAGCAACCGAGCTGGCCAAAGCTTACCTGAGGAGCTGGCCGGCTGGC  
 463 ▶ LeuProAlaMetLeuSerAsnGluLeuAlaLysLeuGlyLeuGluLeuAlaArgSerAsn  
 1450 CCCACGGCTGGGGCTGCTGGCCAAAGGCCGGCCGGCCGGCCGGCCGGCC  
 484 ▶ GlyThrLeuGluGlyLeuPheAlaAlaAlaProLysProGlyProArgArgAlaArgArg  
 1513 GCGGGCCGCTGCCCCGGCCGCCCCGGCCAAACGGCCGACGGGGACGCC  
 505 ▶ AlaAlaProSerAlaProGlyArgGlyArgGlyAlaLysGlyAlaLysGlyAspAla  
 1576 GCGGGCCGCTGACTTACCGCTGGCCGAGTTGCGCCGGCTGAGTTACCTACGCCAC  
 526 ▶ GlyGlyArgValThrValSerSerAlaGluPheAlaAlaLeuGlnPheSerIleAspHis  
 1639 ATCCAGGACCACTGGTTCAAGCCGCCTGGCCACGTCCCTGGCTGCAAGAAC  
 547 ▶ IleGlnAspHisValAsnSerArgLeuAlaThrSerArgLeuSerIleGlnAsn

FIG. 2C

1702 AAGGAGCCCCCTGTTGGCCGAGGGGCTTAAGCTCAACCCCGGGCCAGCCGCTGG  
 568 ► LysGluArgAlaLeuIlePheAlaGluAlaAlaLysLeuAsnProSerAlaAlaAla  
  
 1765 CTGGCACCCGGCCGGCGCATGCTGGGGACCCATGGCCCGTGAACCTACTGCCACCGAG  
 589 ► LeuAspPheArgAlaAlaAlaArgMetLeuGlyAspAlaMetAlaValThrTyrSerGlu  
  
 1828 CTGGCCGAGGGGGCGCTTTCATCCGAGAACCTCGATGGCCGGCCGGCTTGCTACAGC  
 610 ► LeuGlyGluGlyArgValPheAlaPheGluAsnSerMetArgAlaPheGlyGluIleGlyGlu  
  
 1891 CGCCCGCCGGTCTCCCTTGCCTTCCGCAACGAGACCCAGCCGGTGGAGGCCAGCTCCGCCAG  
 631 ► ArgProProValSerPheAlaPheGlyAspGluSerGluProValGluGlyGluLeuGlyGlu  
  
 1954 GACAACCGAGCTGCTGCCGGCCAGCTCCTGCACCCGCCAACACAAGCCGCTAC  
 652 ► AspAsnGluLeuIleuProGlyAlaAspTyrValIlePheAlaAsnGluLeuProValProLeu  
  
 2017 TTCCGGCTTGGGGACTACCGTGTACTACCGAGAACTACCGGTACCTGCGGGTCCGGCTC  
 673 ► PheArgPheGlyAlaAspTyrValIlePheAlaAsnGluAspTyrValAsnGluLeuAspTyr  
  
 2080 GGGGAGCTGGAGGTGATCAGCACCTTGTGGACCTAAACTCACGGTTCTGGAGGACCGGAG  
 694 ► AlaGluLeuGluValIleSerThrPheValAspLeuAsnLeuSerValLeuGluAspArgGlu  
  
 2143 TTCTTGCCGCTAGAACTGTAACACGGCTCGCCGACACGGTCTGCTGACTACAGC  
 715 ► PheLeuProLeuGluValIleThrArgAlaGluLeuAlaAspTyrGlyLeuLeuAspTyrSer  
  
 2206 GACATAACGGCAACCAAGCTGGCACGGCTCCGGTTCTACGACATTGACCCGGTCTCAAG  
 736 ► GluIleGlnArgArgAspGlnLeuIleSerArgPheTyrAspIleAspArgValValValLys

FIG. 2D

2269 ACGGACGGCAATAATGCCCATATGCCAGGGCTGCCAACTTCTAGGGCCTGGGCCCGTC  
 757 ▶ The AspGlyAsnMetAlaIleMetArgGlyLeuAlaAsnProPheGlyLeuGlyAlaVal  
  
 2332 CCCAACGGGTGGCACGGTGGCTGGCGCCGGTGGCTCGACCGTGTGGCC  
 778 ▶ GlyGlnAlaValGlyThrValValGlyAlaAlaGlyAlaAlaLeuSerThrValSerGly  
  
 2395 ATCGCCCTCGTTATTGCGAACCCGTTGGCGCTGGCCACGGCCGCTCGCTCGCCGG  
 799 ▶ IleAlaSerPheIleAlaAsnProPheGlyAlaLeuAlaThrGlyLeuValLeuAlaGly  
  
 2458 CTGGCTGGCCGCTTCTGGCTACCGGTACATTCCGGCTCCGCAACCCATGAAAGGG  
 820 ▶ LeuValAlaAlaAlaPheLeuAlaTyrTyrTyrIleSerArgLeuArgSerAsnProMetLysAla  
  
 2521 CTGTACCCGATCACCCACGGCGGCTCAAGCACGGACGGCCGGCCAACGGCCGGCGAG  
 841 ▶ LeuTyrProIleThrIleAlaLeuIleAspAspAlaAlaArgGlyAlaThrAlaProGlyGlu  
  
 2584 GAAGAGGAGGACTTGACGGAGGCCAAACTGGAGGAGCCGGAGATCATCAAGTATAATGTCG  
 852 ▶ GluGluGluGluPheAspAlaAlaLysLeuGluGlnAlaArgGluMetIleLysTyrMetSer  
  
 2647 CTCGTGTCAAGCGCAAGAGCAACAGGCAAAAGAGCAACAGGGCGCCGGCTG  
 883 ▶ LeuValSerAlaValGluArgGluLysAlaLysSerAspGlyLysSerGlyProLeu  
  
 2710 CTGGCGACCCGGCTGACGCACGCTGGCGCTGGCGAGCCGGACTACCCAGCAGCTT  
 904 ▶ LeuAlaIleThrArgLeuThrGlnLeuAlaLeuAlaArgGlyIleGluGlnLeu  
  
 2773 CCGATGCCGACGTCGGGGCATGAA  
 925 ▶ ProMetAlaAspValGlyGlyAla...

FIG. 2E

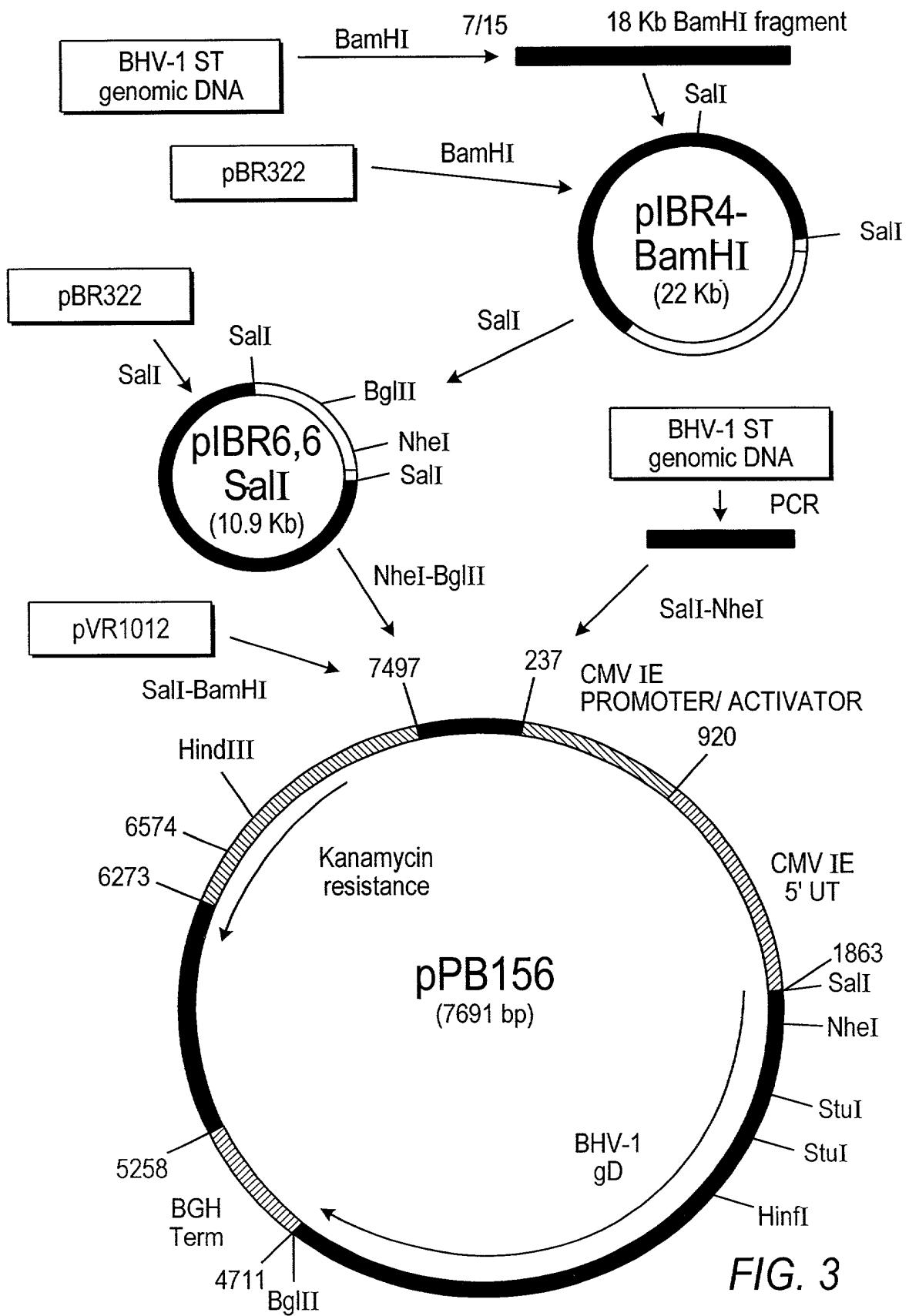


FIG. 3

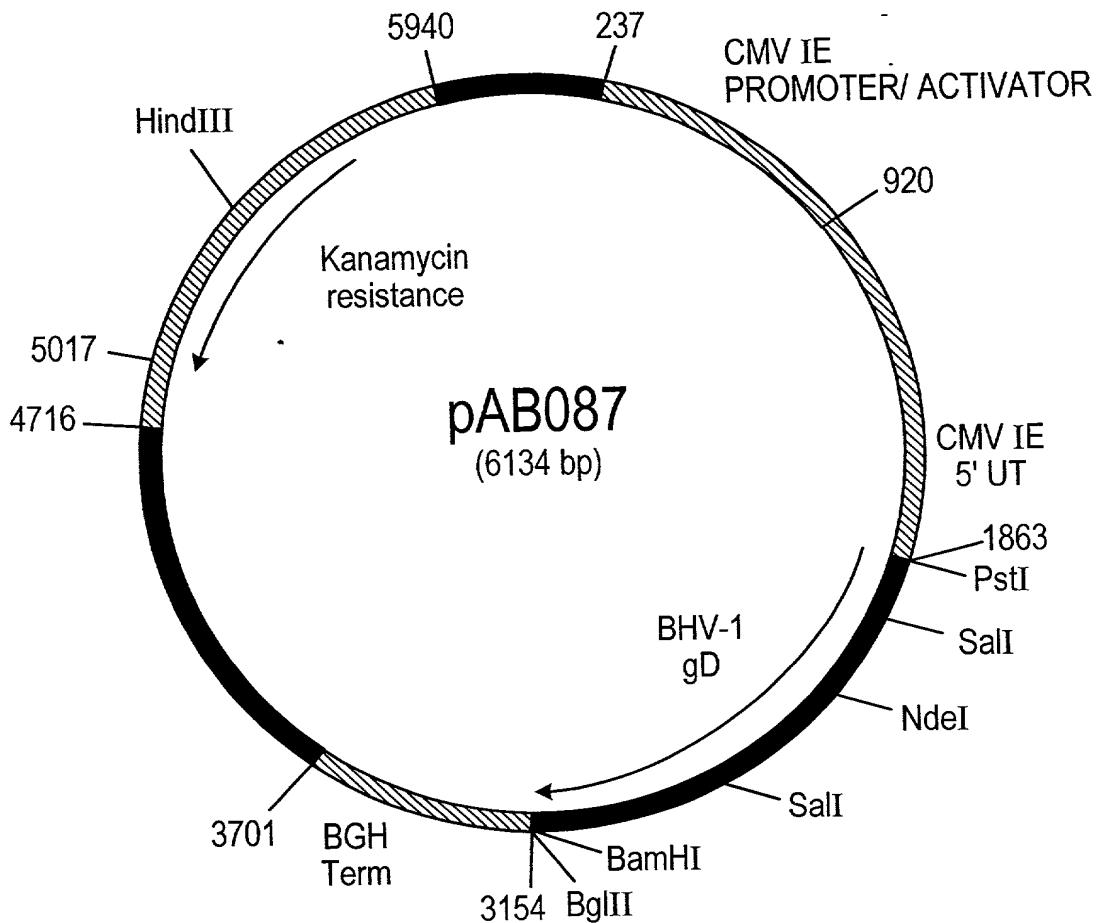


FIG. 4

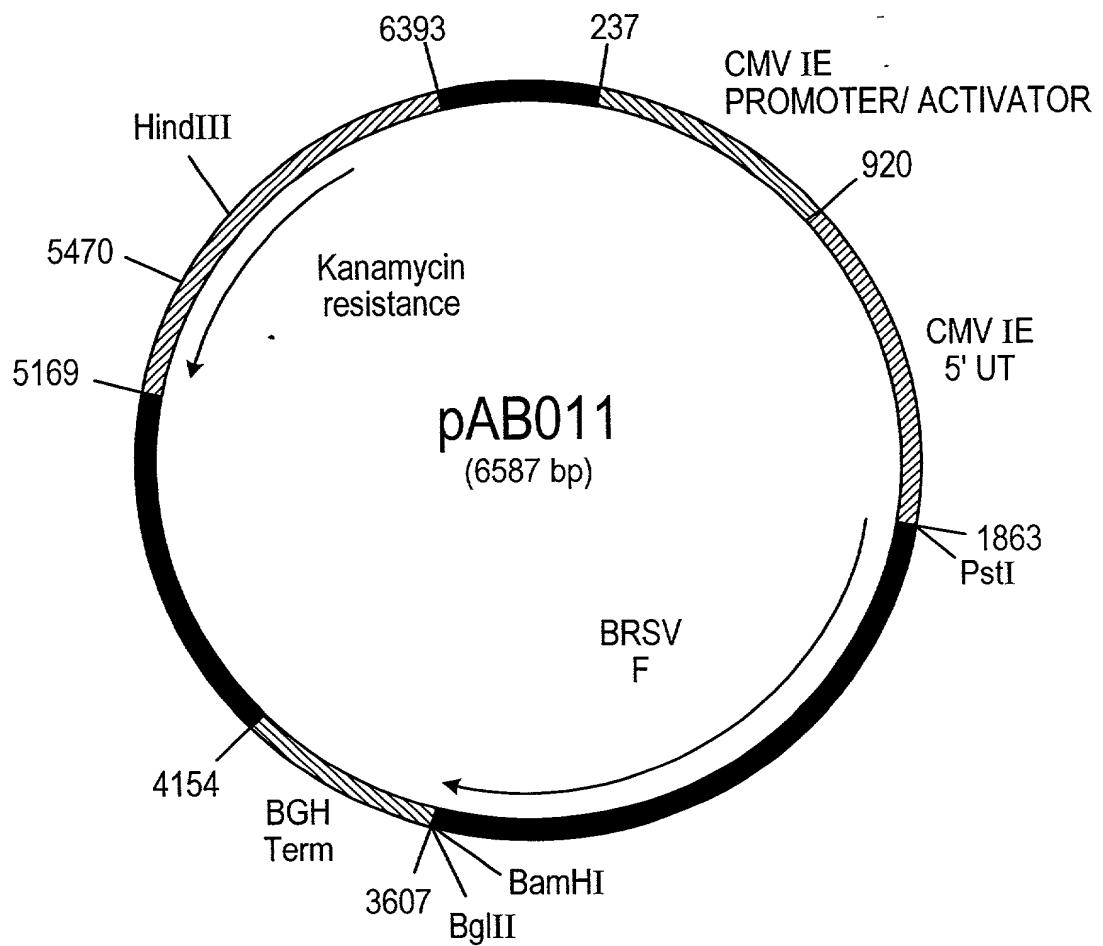


FIG. 5

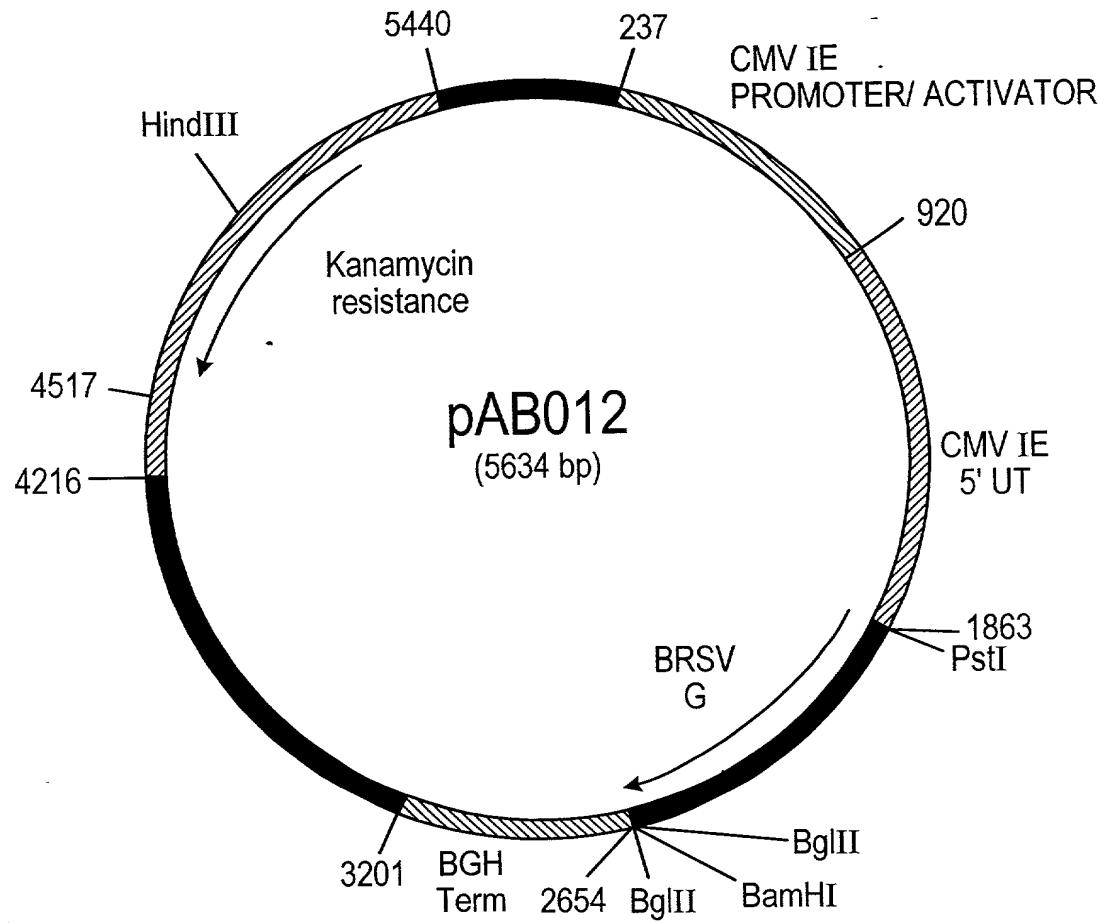


FIG. 6

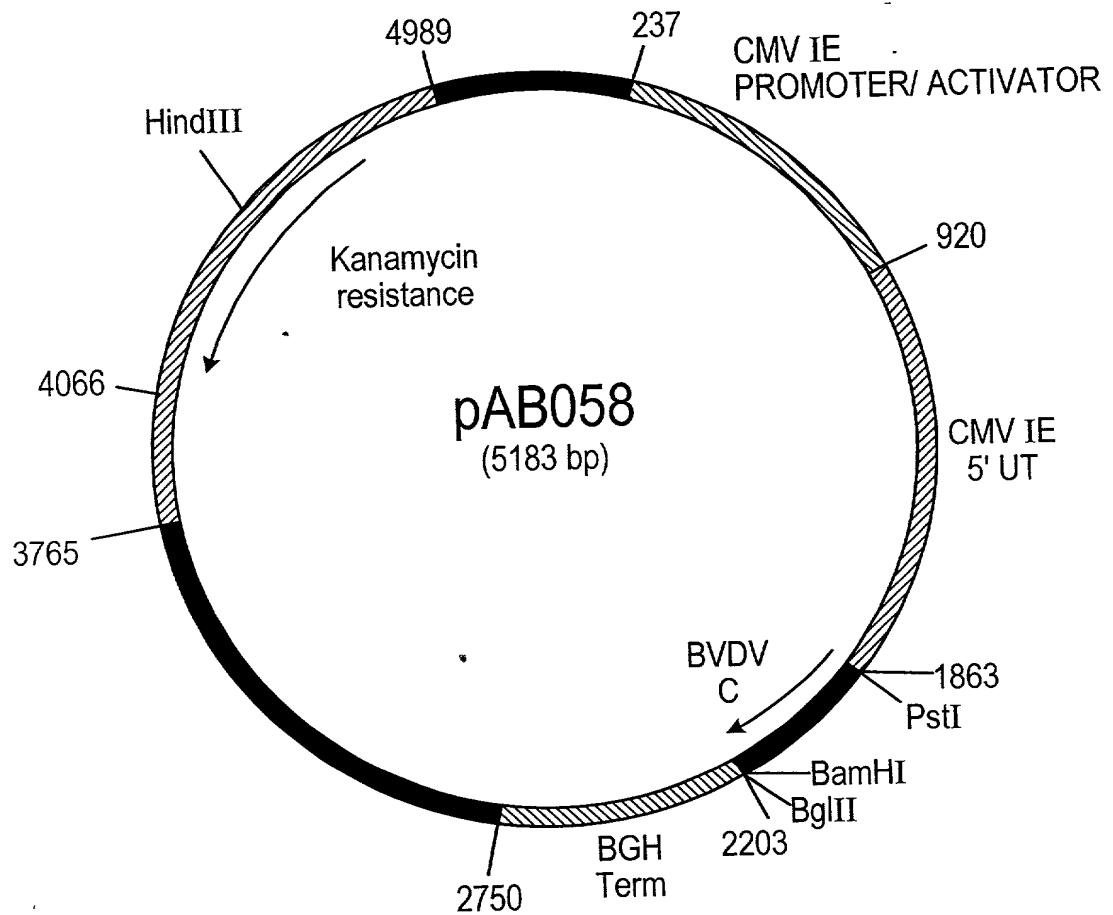


FIG. 7

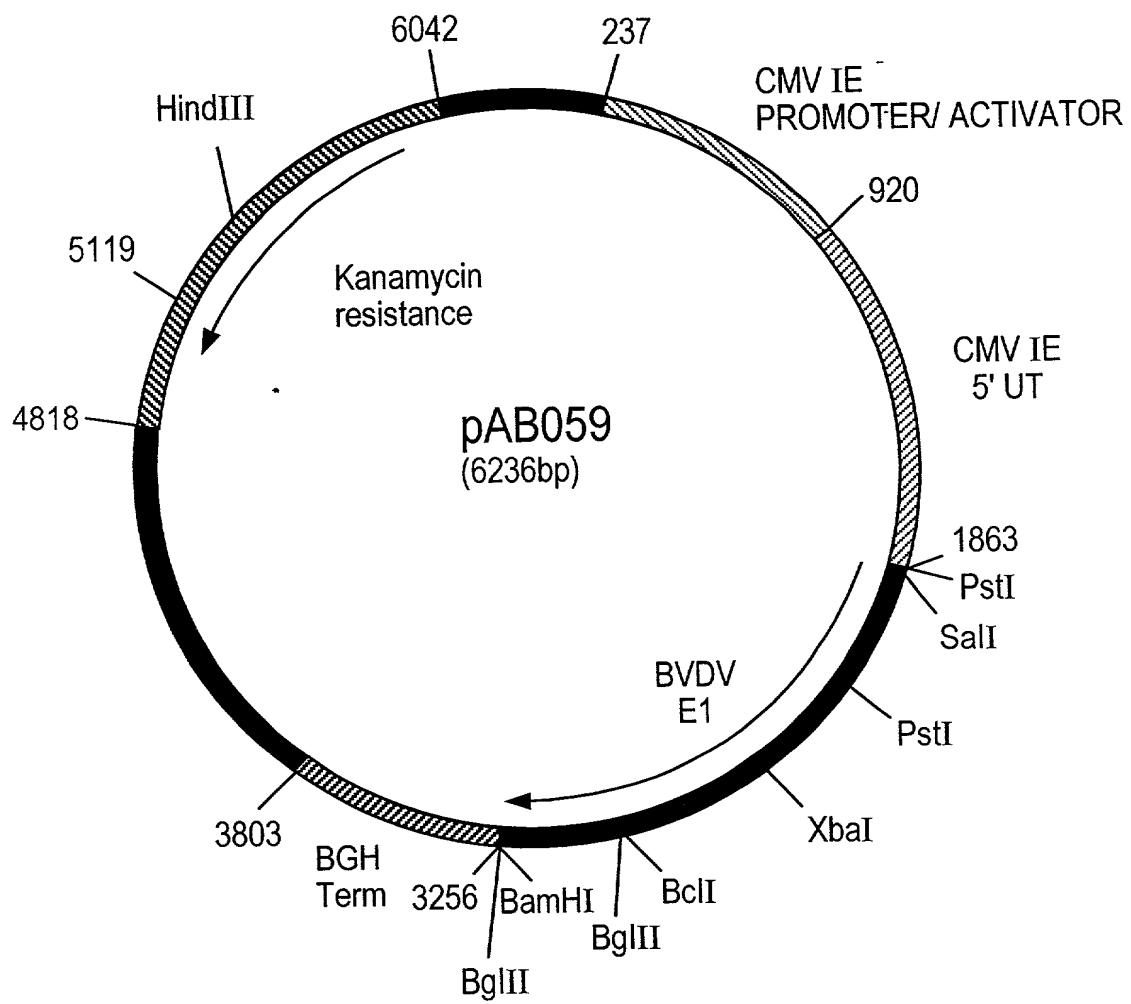


FIG. 8

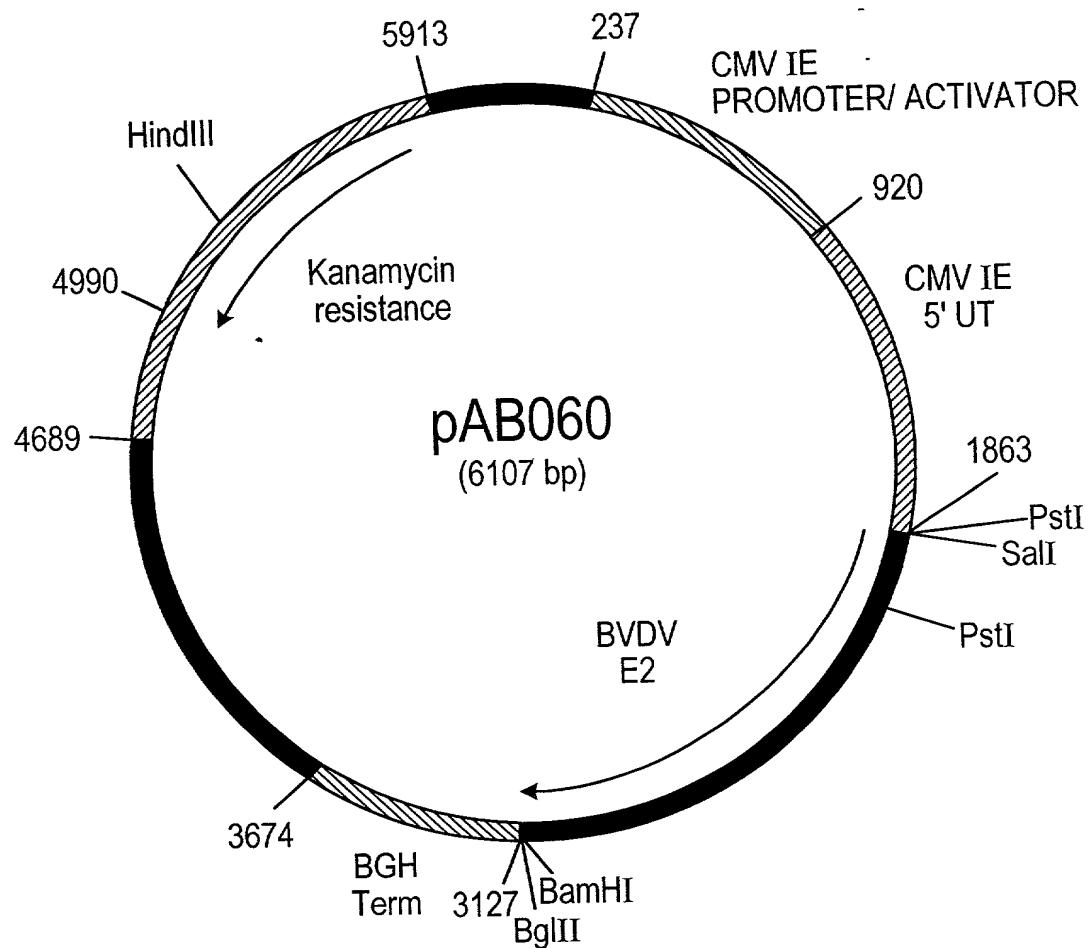


FIG. 9

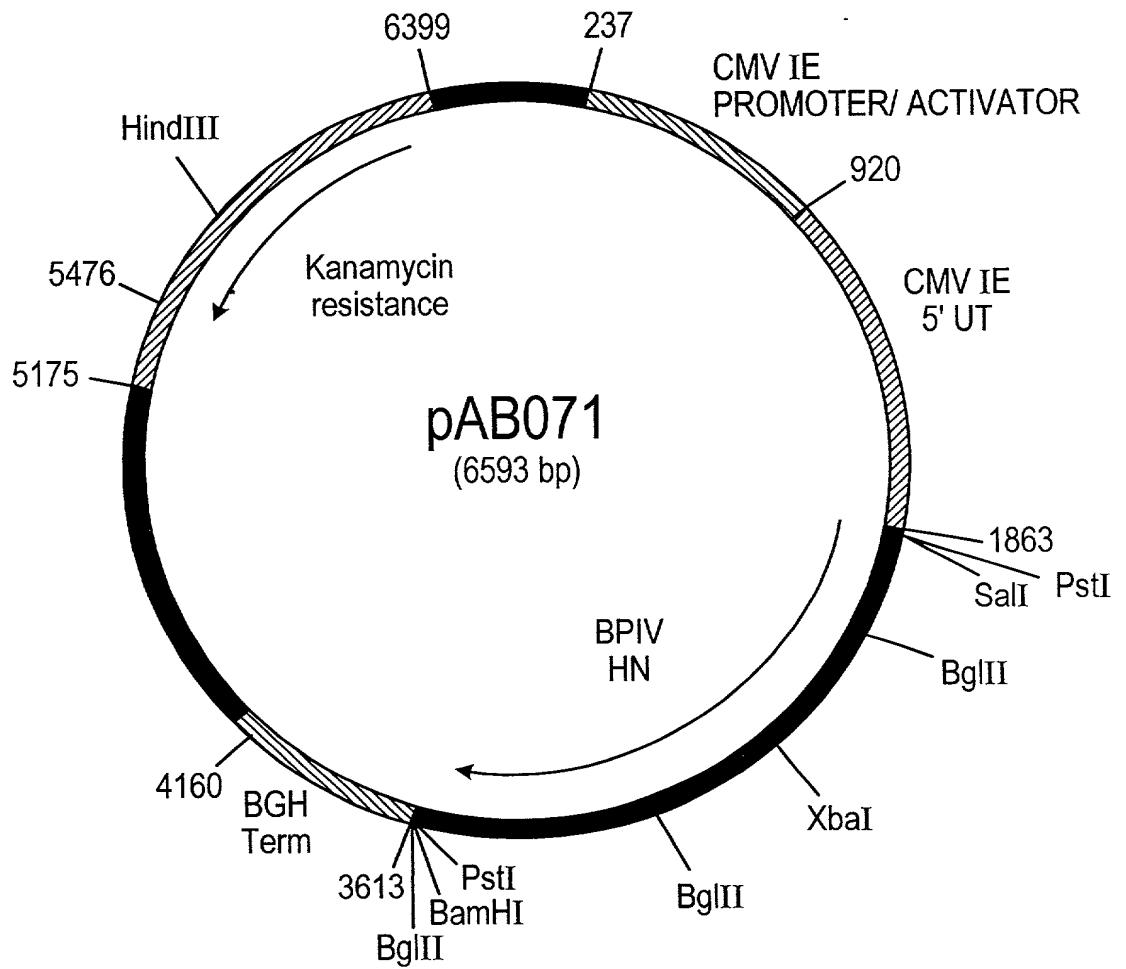


FIG. 10

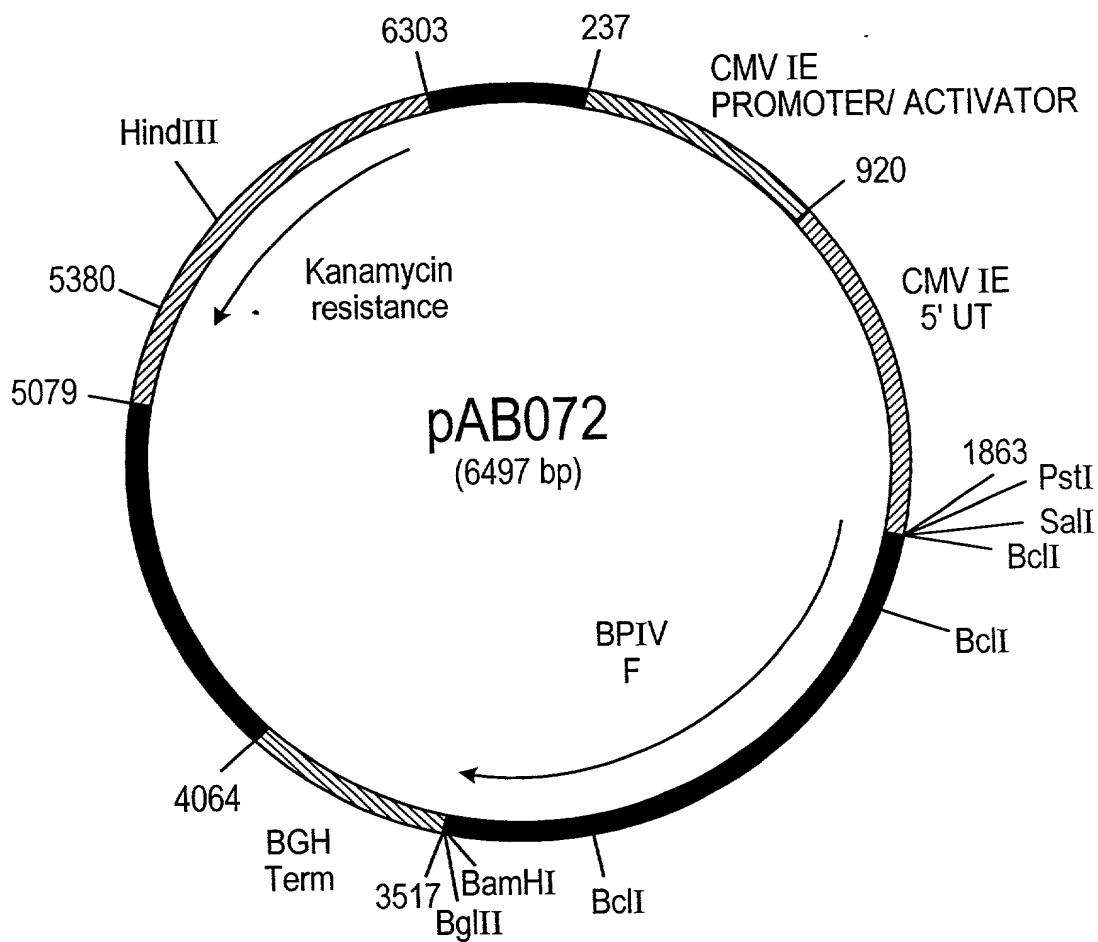


FIG. 11